MILITARY SPECIFICATION SHEET

CABLE, COAXIAL (SUBMARINE USE) TYPE RG-264C/U

The complete requirements for procuring the cable described herein shall consist of this document and the latest issue of MIL-C-23020.

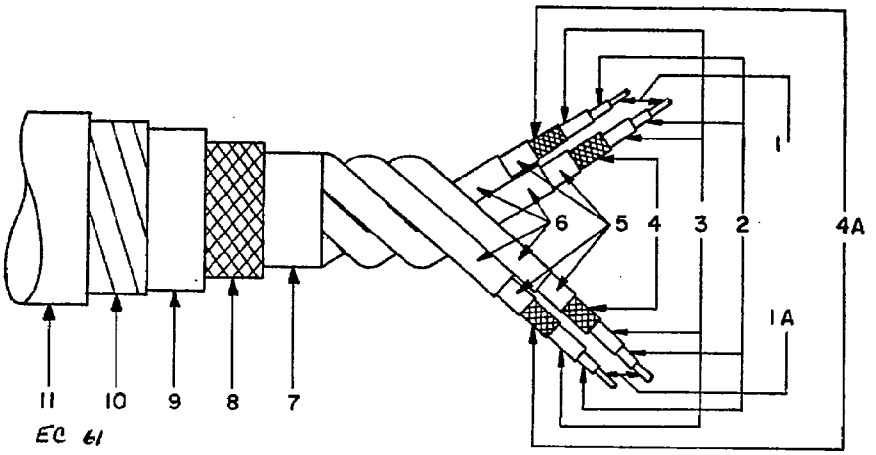

Figure 1 - Construction

NOTES:

1. Center conductor - 13 gauge solid bare copper wire, O.D. .068 ± .001 inch.

1A. Center conductor - 13 gauge solid tinned copper wire, O.D. .068 ± .001 inch.

2. Dielectric - Type A (polyethylene) 0.176 ± 0.004 O.D. inch.

3. Braid sealant - Dow Corning 274 flooding compound, or equal.

4. Outer conductor - #36 AWG bare copper wire - 16 carriers 10 ± 10 percent. pick/inch, 94.4 percent coverage 0.199 nominal O.D.

4A. Outer conductor - #36 AWG tinned copper wire - 16 carriers 10 ± 10 percent pick/inch, 94.4 percent coverage 0.199 nominal O.D.

5. Braid sealant - Dow Corning 274 flooding compound, or equal.

6. Inner wrap - 1 wrap 1/2 inch by 0.009 inch adhesive polyethylene tape, butt lap, 0.227 nominal O.D.

7. Void filler - Avison Oletac 132, or equal.

8. Outer braid - #34 AWG bare copper wire - 24 carriers 10 ± 10 percent pick/inch 91.4 percent coverage, 0.579 ± 0.010 O.D.

9. Braid sealant - Dow Corning 274 flooding compound, or equal.

10. Outer wrap - 1 wrap 1 inch by 0.014 inch pressure sensitive polyurethane tape, butt lap, 0.607 nominal O.D.

11. Jacket - Polyether-polyurethane, 0.750 ± 0.015, wall 0.070 min.

1st pair - One copper shielded coaxial cable with copper conductor.
One copper shielded coaxial cable with tinned conductor.

2nd pair - One tinned copper shielded coaxial cable with copper conductor.
One tinned copper shielded coaxial cable with tinned conductor.

REQUIREMENTS

Dielectric strength	-	5000 volts, r.m.s. min. (each coaxial). 1000 volts, r.m.s. each braid to other braids.
Attenuation	-	12 db/100 ft. at 400 mHz (each coaxial)
Impedance	-	40 + 2 ohms (each coaxial)
Capacitance	-	42 Pfd/ft. max. (each coaxial).
Hydrostatic test	-	
Fitting	-	USL drawing 44500B-69
Leakage	-	"0" cubic inch.
Pressure	-	1000 p.s.i.
Pressure duration	-	2 hours.
Abrasion	-	500 revolutions

Dimension monitoring not required.

Preparing activity:
Navy - EC
(Project 6145-N106)